

EPA ID: GAD000612796 Site Name: GA POWER CO SCHERER STM ELEC GEN STA

State ID:

34539

Alias Site Names: GA POWER CO SCHERER STM ELEC GEN STA

City: JULIETTE

County or Parish: MONROE

State: GA

Refer to Report Dated: 05/26/1989

Report Type: SITE INSPECTION 001

Report Developed by: STATE

DECISION:

- ☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:
- ☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)
- ☐ 1b. Site may qualify for action, but is deferred to:
- ☐ 2. Further Assessment Needed Under CERCLA:
- 2a. Priority: ☐ Higher ☐ Lower
- 2b. Other: (recommended action) NFRAP (No Further Remedial Action Planned)

DISCUSSION/RATIONALE:

This site was incorrectly deferred to RCRA in 1990.

This site was an Environmental Priorities Initiative (EPI) site assigned to GA EPD for assessment per the EPI agreement. The site scored low (~9) on the original HRS.

The "deferred to RCRA" code is hereby changed to "NFRAP."

File review conducted November 1999 - CST

Site Decision Made by: CAROLYN THOMPSON

Signature: _____

Carly Thompson

11/30/99
Date: 06/01/1990

COMPLETE
ENG.

NO
TOPO

NFRAP
MEO

DRAFT
ENVIRONMENTAL PRIORITIES INITIATIVE
PRELIMINARY ASSESSMENT/RCRA FACILITY ASSESSMENT (
GEORGIA POWER COMPANY - PLANT SCHERER
MONROE COUNTY, GEORGIA
EPA ID # GAD000612796

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

May 26, 1989

NFRAP
6/1/90

Prepared by:

Mark Smith
Mark Smith
Environmental Engineer

Reviewed by:

Bill Mundy
Bill Mundy
Unit Coordinator

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1.0 INTRODUCTION

Mark Smith of the Georgia Environmental Protection Division (EPD) conducted a Preliminary Assessment (PA) and a Visual Site Inspection (VSI) at Georgia Power Company's Plant Scherer site on May 17, 1989. This evaluation was conducted to assess the potential for adverse environmental impacts which might occur from past or present handling of hazardous wastes or hazardous constituents at the site.

1.1 OBJECTIVE

Section 12-8-71 of the Georgia Hazardous Waste Management Act authorizes the Director of EPD to require corrective action for releases of hazardous waste or hazardous constituents which are believed to pose a danger to health or the environment. If necessary, the Director may issue an order to any past or present owner or operator of a hazardous waste treatment, storage, or disposal (TSD) facility specifying the corrective action to be taken. Assessments of the need for corrective action are routinely taken at TSD facilities prior to the issuance of a hazardous waste permit. Numerous facilities, however, withdrew their permit application prior to the issuance of a permit and did not receive such an assessment. Because of Plant Scherer's status as a former TSD facility, this assessment was conducted to evaluate the need for corrective action which may otherwise have been required had the facility not withdrawn its hazardous waste permit application.

1.2 SCOPE OF WORK

The following activities were conducted in the course of this investigation:

- an in-depth review of EPD files on Plant Scherer concerning activities in hazardous waste, solid waste, air quality, water quality, groundwater withdrawal, and CERCLA Title III reporting,
- interviews with facility employees as to the nature and extent of past and present activities involving solid and hazardous wastes and hazardous constituents,
- inspection and photo-documentation of the facility to visually assess all Solid Waste Management Units (SWMUs), releases, exposure pathways, and other Areas of Concern (AOC),
- development of a detailed site base map displaying site features, solid waste management units, areas of concern, and photo-documentation areas,
- evaluation of target populations within a 4-mile radius from the site with regard to potential releases identified.

2.0 SITE DESCRIPTION

2.1 SITE LOCATION

Plant Scherer is located on a large tract of land west of Georgia Highway 87 in Monroe County, Georgia. The plant itself is more specifically located at 33° 03' 40" north latitude and 83° 48' 06" west longitude on the United States Geological Survey East Juliette, Georgia quadrangle topographic map (Figure 2.1).

2.2 SITE FEATURES

Plant Scherer is located on an 8,500 acre site west of the Ocmulgee River. Approximately 2,500 acres are utilized for power generation and related activities. A service water storage pond (Lake Juliette), created by damming Rum Creek at the southeast corner of the site, occupies 3,500 acres of the site. The remainder of the property, including recreation on Lake Juliette, is managed by the Georgia Department of Natural Resources as a Wildlife Management Area. Land not cleared by construction or flooded by the lake is primarily planted pine interspersed with hardwood forest. Drainage to the north of the plant, including all wastewater discharges, is through Berry Creek to the Ocmulgee River.

The power plant is the predominant structure on the site housing offices for plant personnel and the four power generating units. This structure is surrounded by four cooling towers, two high elevation stacks, and a coal storage area. Numerous smaller structures surround the building, including many temporary structures utilized during construction of the plant. Two lined impoundments are located southwest of the power plant for the periodic treatment of boiler cleaning wastes. Four extended aeration package plants provide sanitary sewerage service for the facility. Ash generated from coal

combustion is pumped to an ash disposal pond northwest of the plant. Overflow from this pond enters a settling pond before being reused in plant processes. Hazardous wastes are accumulated in designated satellite areas within the plant vicinity. Upon filling, drums are transported to a temporary storage area northeast of the plant. All hazardous waste drums are ultimately shipped off-site within 90 days of filling. Two landfills have been utilized on the plant site, primarily for the disposal of construction-related debris. A closed landfill is located northeast of the coal storage area and south of the "Detention Pond". An operating landfill is located north of the plant and east of the ash pond.

2.3 SITE HISTORY

Plant Scherer is owned jointly by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the city of Dalton (Reference 1). The property was purchased from numerous individual land owners during the early 1970's. Initial field construction began at the site September 13, 1974. Initial operation of Unit 1 began in February 1982, Unit 2 in February 1984, Unit 3 in January 1987, and Unit 4 in February 1989.

2.4 NATURE OF OPERATIONS

Plant Scherer is a coal-fueled steam plant comprised of four 818 megawatt generating units. Substances stored on-site for plant operations include 2,000 gallons), chlorine (38,350 lbs.), hydrazine (1,000 gallons), sulfuric acid (12,000 gallons), and sulfur dioxide (2,000 lbs.) (Reference 2). Organic solvents are utilized in painting and degreasing operations related to construction and maintenance at the plant. Xylene, toluene, methyl ethyl ketone, and acetone

are routinely used in painting. In 1987 seven tons of paint waste were generated and shipped off-site for disposal. 1,1,1-Trichloroethane was formerly used in degreasing (Reference 3). In 1985 13.75 tons of F001 waste containing trichloroethane were shipped off-site for disposal (Reference 4). The use of bulk chlorinated solvents has since been phased out in favor of "Safety-Kleen" degreasers. Prior to 1989 most wastes (excluding ash) generated at Plant Scherer resulted from construction activities. As of May 1989, construction was rapidly being concluded, greatly reducing the quantity of wastes requiring disposal.

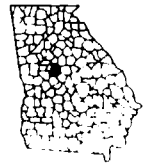
2.5 PERMIT AND REGULATORY HISTORY

Plant Scherer is currently classified as a generator of hazardous wastes subject to regulation under the Georgia Hazardous Waste Management Act, O.C.G.A. Sections 12-8-60, et seq. and the Rules and Regulations promulgated thereunder, Chapter 391-3-11.

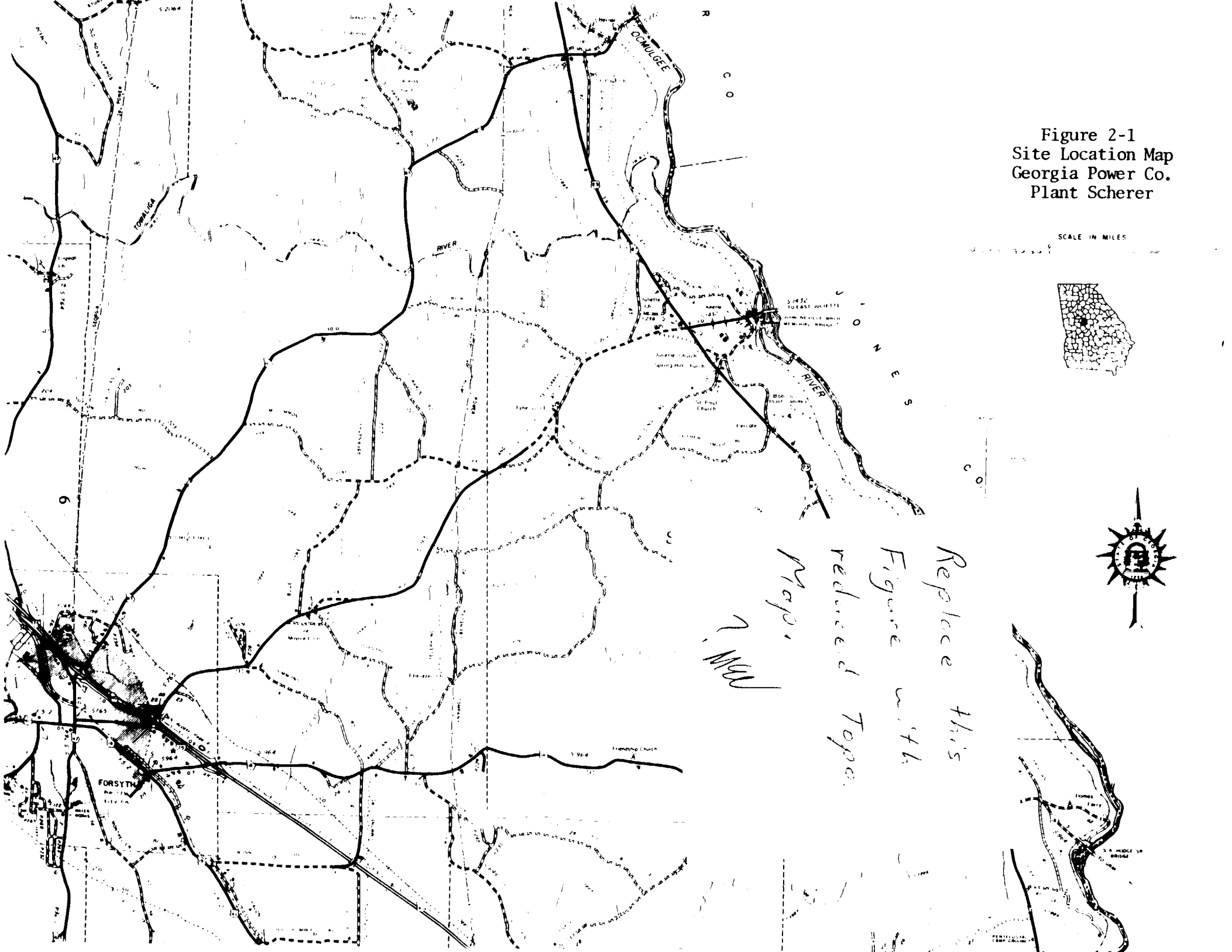
In November 1980, Plant Scherer filed a Part A hazardous waste permit application for the operation of surface impoundments for the treatment of up to 3,400 gallons per day of corrosive hazardous wastes (D002) and for the storage of up to 2,000 gallons of predominantly solvent-type wastes in containers. In an April 28, 1983 letter, EPD excluded Plant Scherer's boiler cleaning waste from regulation as a hazardous waste, in conjunction with U.S. EPA's similar exclusion under 40 CFR 261.4(b)(4). Plant Scherer's facility status was changed from a treatment/storage facility to that of a generator on August 15, 1983. Groundwater monitoring was not initiated at the plant prior to withdrawal of the facility's permit application.

Figure 2-1
Site Location Map
Georgia Power Co.
Plant Scherer

SCALE IN MILES



*Replace this
Figure with
reduced Topo.
Maps.
? Mac*



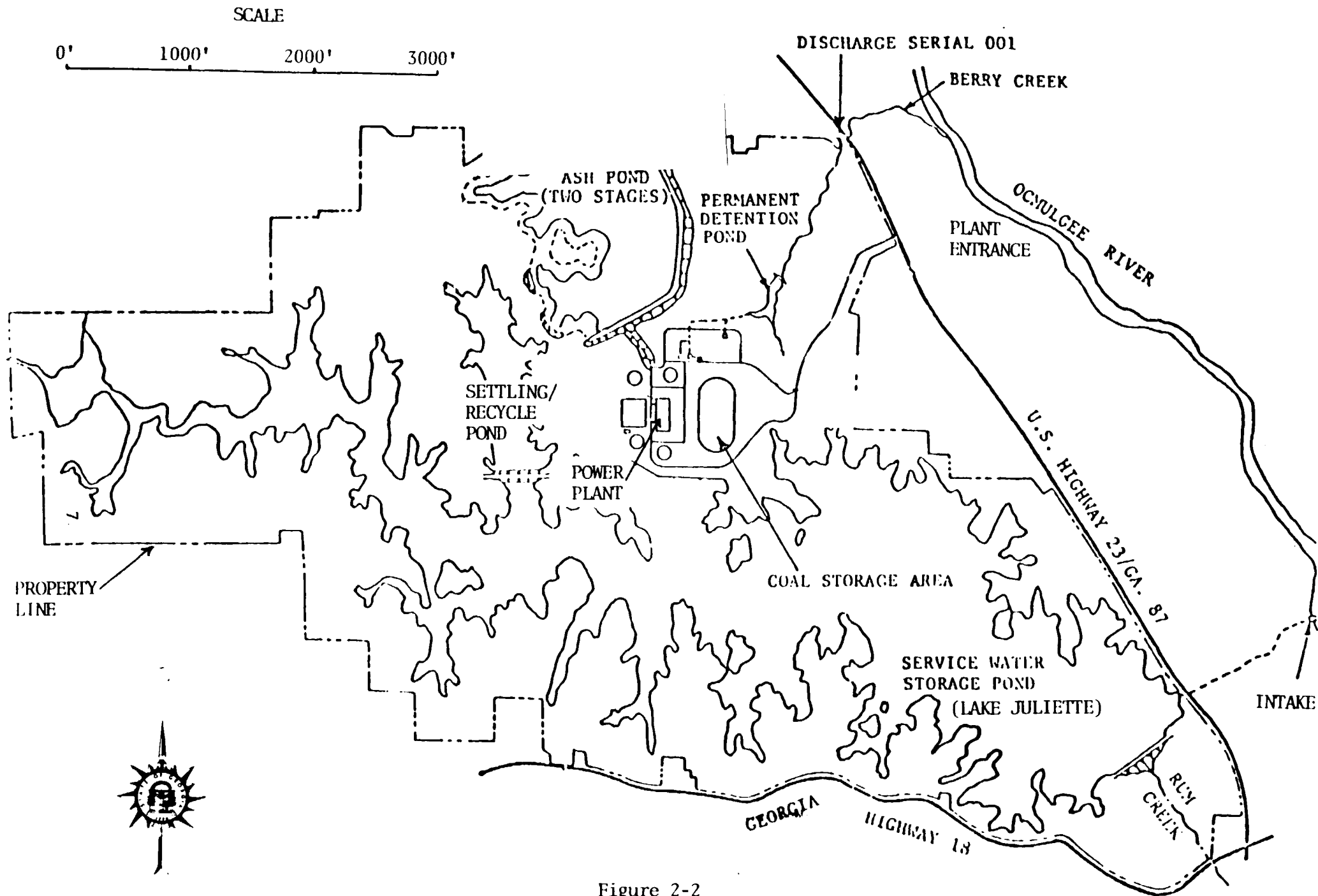


Figure 2-2
Site Layout Map
Georgia power Co.
Plant Scherer

3.0 ENVIRONMENTAL SETTING

3.1 WATER SUPPLY

All potable water within the study area is supplied by groundwater withdrawal wells. These wells range from dug and bored wells thirty to sixty feet in depth to drilled wells penetrating 300 feet and more into the Crystalline Rock Aquifer. Eight drilled wells have been installed on the Plant Scherer site (Figure 3.1). Three of these wells are in active use: CW-1, CW-3, and PW-5. From August 1988 through January 1988 6,220,540 gallons of water were withdrawn from the Crystalline Rock Aquifer in accordance with EPD Permit #102-001. The nearest off-site wells exist at residences north of the site on Luther Smith Road. The distance to the nearest private well is 1.5 miles.

3.2 SURFACE WATER

Two surface waters exist on the plant site. Lake Juliette is a 3,500 acre impoundment occupying the south and west portions of the plant property. The lake was constructed to provide service water for plant operations. The lake was formed by damming Run Creek at the southeast corner of the plant property. The lake is filled by natural drainage and by pumping water from the Ocmulgee River during periods of high flow. Drainage from the north side of the plant forms Berry Creek, a tributary to the Ocmulgee River.

3.3 HYDROGEOLOGY

The geologic and hydrogeologic conditions in the Plant Scherer vicinity have been researched as part of this investigation and through the solid waste permitting process.

3.3.1 Geology

Plant Scherer is located in the Washington Slope District of the Piedmont Province (Reference 6). The area surrounding the plant is moderately sloping. Surface elevations range from 400 to 550 feet above mean sea level. Test borings performed at the site in 1974 reveal soil depths as great as 67 feet. These soils are underlain by biotite gneiss and hornblende gneiss/amphibolite (Reference 7).

Drilling logs for wells installed at the site describe the geology as follows:

<u>Well CW-1</u>	
0 to 20 feet	Clay & soil
20 to 308 feet	Gray rock

<u>Well CW-2</u>	
0 to 40 feet	Fill dirt
40 to 130 feet	Sandy clay
130 to 350 feet	Gray rock

<u>Well PW-5</u>	
0 to 45 feet	Clay
45 to 137 feet	Gray rock

3.3.2 Soils

The soils in the Plant Scherer area are moderately sloping with a moderate infiltration rate. Soil groups in the area are primarily of the Cecil series, characterized by a surface layer of red clay.

3.3.3 Groundwater

Two aquifers are utilized in this area for water supply: the surficial aquifer and the Crystalline Rock aquifer. The surficial aquifer is unconfined lying between the ground surface and the top of bedrock. Recharge is by local rainfall. The occurrence of a satisfactory water supply in this aquifer is sporadic, depending upon the depth to bedrock and the topographic features

affecting recharge. Groundwater yield in the crystalline rock aquifer is highly dependent upon jointing and fracturing. Recharge of this aquifer is by infiltration.

3.4 CLIMATE AND METEOROLOGY

The climate in the Plant Scherer area is temperate. The average daily maximum temperature is 75.1° F and the average daily minimum is 50.3° F. Annual rainfall averages 46.4 inches with an average maximum of 5.32 inches occurring in July. The lowest monthly average rainfall is 2.26 inches for October (Reference 10). Mean annual lake evaporation for the area is 43 inches (Reference 11). The 1-year, 24-hour rainfall is estimated at 3.3 inches (Reference 12).

3.5 LAND USE

Land use within a four-mile radius of Plant Scherer is primarily timber production and recreation. Rum Creek Wildlife Management Area comprises 8,500 acres surrounding the facility. Lake Juliette is open to the public for hunting and fishing. A survey of the area shows little development or new residential construction. Only two towns are located within the four-mile radius -- Juliette and East Juliette. The mills in both towns have long been closed and over half the structures in each town are now unoccupied.

3.6 POPULATION DISTRIBUTION

Population in the study area was estimated by counting the number of dwellings displayed on topographic maps and multiplying by 3.8. Adequacy of the maps for estimating population was verified during the Visual Site Inspection.

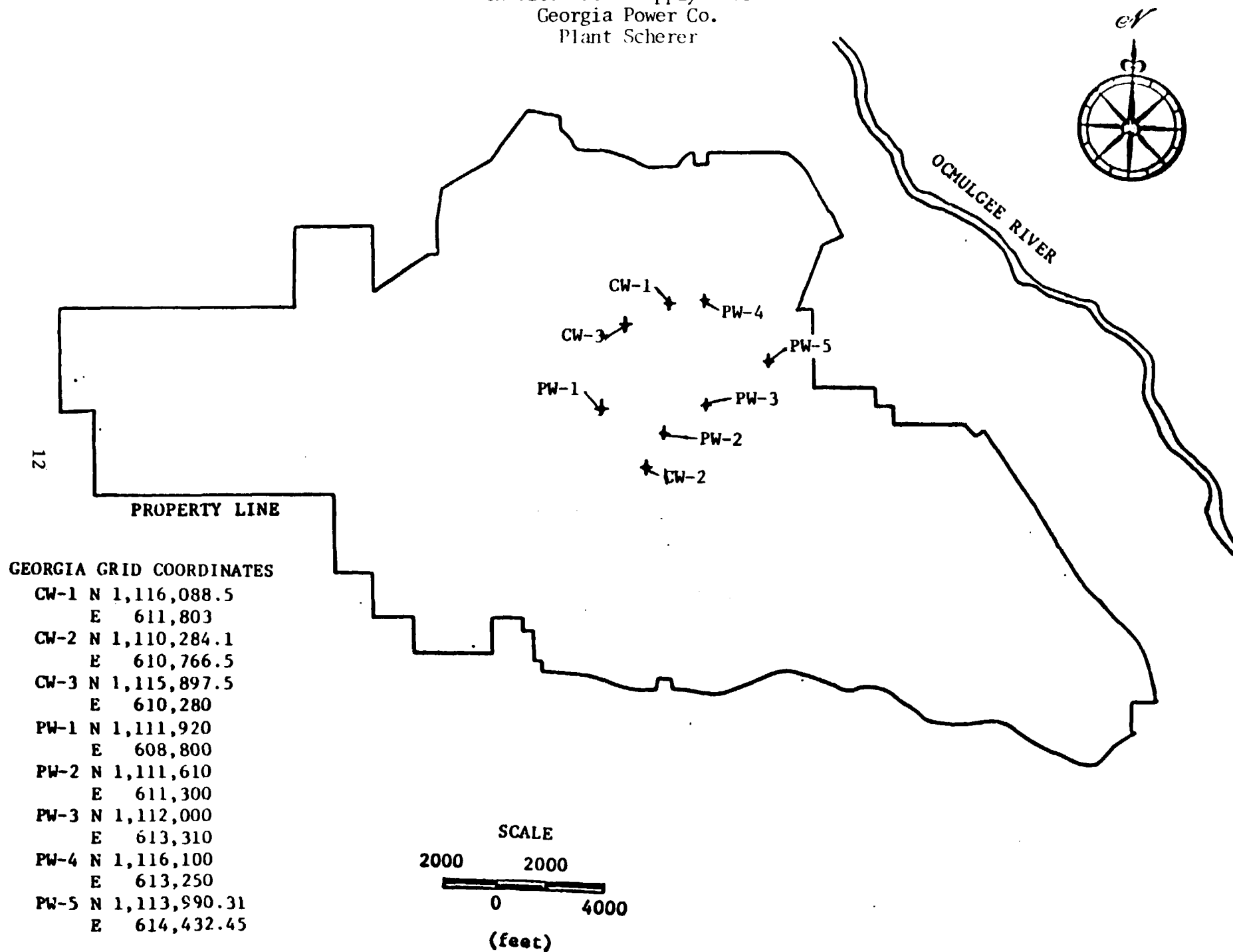
0 to 1 mile	No residences
1 to 2 miles	118
2 to 3 miles	342
3 to 4 miles	657
<u>TOTAL</u>	<u>1,117</u>

3.7 CRITICAL HABITATS/ENDANGERED SPECIES

No critical habitats exist in the vicinity of Plant Scherer.

The ranges of two endangered species encompass the plant site and surrounding vicinity, the red-cockaded woodpecker - Picoides borealis (Viellot) and the southern bald eagle - Haliaeetus leucocephalus (Linnaeus) (Reference 13). According to plant personnel a southern bald eagle nested near the shore of Lake Juliette in the past year.

Figure 3-1
On-Site Water Supply Wells
Georgia Power Co.
Plant Scherer



4.0 VISUAL SITE INSPECTION (VSI)

A Visual Site Inspection of the Georgia Power Company - Plant Scherer site was performed on May 17, 1989 by Mr. Mark Smith of the Georgia Environmental Protection Division. The purpose of the inspection was to locate and visually assess all Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) identified in previous file reviews and to discover any additional units which may have resulted from past or present solid waste handling activities.

4.1 SOLID WASTE MANAGEMENT UNITS

Twelve SWMUs were identified at the Plant Scherer facility during the visual site inspection. Each SWMU is identified in Table 4.1 and its location depicted in Figure 4.1. Photographs taken of each SWMU appear at the end of this section.

The inspection began with an interview with Assistant Plant Manager Robert Davidson. Mr. Dale Davis (404/526-7161) and Ms. Linda McDaniel (912/477-2260, ext. 3118) from Georgia Power served as escorts during the inspection. The inspection included a review of plant construction and operating procedures as well as waste handling practices. Details concerning each SWMU follow.

TABLE 4-1

SOLID WASTE MANAGEMENT UNITS
GEORGIA POWER COMPANY, PLANT SCHERER
MONROE COUNTY, GEORGIA

<u>Location Number (Fig. 4-1)</u>	<u>Name</u>	<u>RCRA Regulated</u>	<u>Status</u>
1	Boiler Cleaning Waste Impoundments (2)	No	Active
2	Closed Landfill	No	Inactive
3	Current Landfill	No	Active
4	Hazardous Waste Satellite Accumulation Area	Yes	Active
5	Hazardous Waste Container Storage Area	Yes	Active
6	Wastewater Treatment Plants (4)	No	Active
7	Ash Disposal Pond	No	Active
8	Settling/Recycle Pond	No	Active

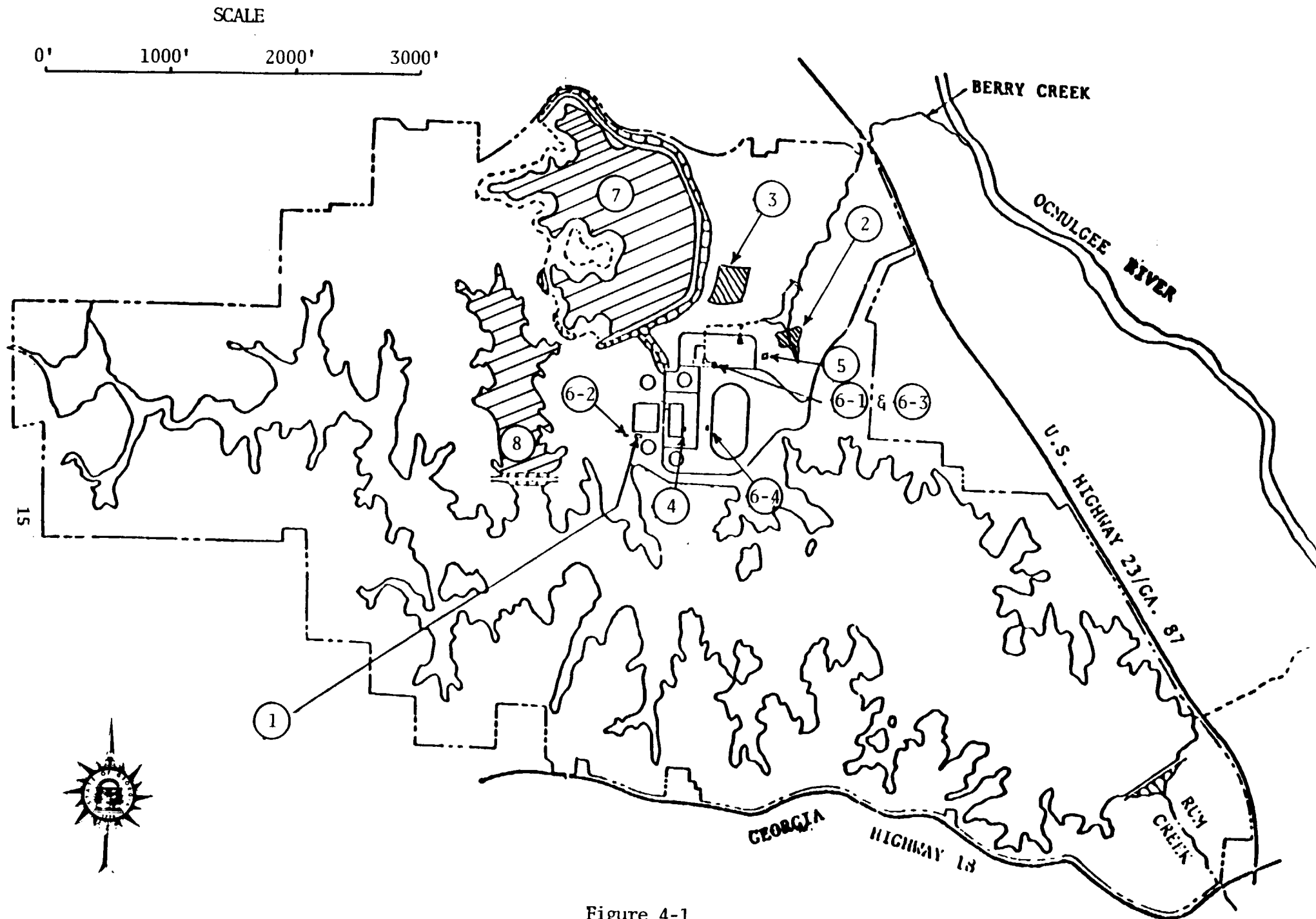


Figure 4-1
Solid Waste Management Units Location Map
Georgia Power Co.
Plant Scherer

SWMU NUMBER: 1

SWMU NAME: Boiler Cleaning Waste Impoundments

SWMU DESCRIPTION: Two surface impoundments were constructed southwest of the main power plant building for the storage and treatment of wastes generated during cleaning of the facility's boilers. The main impoundment has a capacity of 2,279,000 gallons. An overflow impoundment with a 968,000 gallon capacity is located west of the main impoundment. Both impoundments are lined with a 100 mil. flexible membrane liner.

DATE OF START-UP: The impoundments were installed as part of the initial plant construction. The larger impoundment first received waste in 1983. The smaller impoundment currently contains only lake water.

DATE OF CLOSURE: Both units were active at the time of the VSI.

WASTES MANAGED: The process which generates the boiler cleaning waste and a representative chemical analysis of the waste are described respectively in Georgia Power letters dated November 16, 1981 and March 11, 1983. This correspondence is incorporated into this report as Attachment A.

RELEASE CONTROLS: The impoundments are single-lined to restrict migration of the waste into soil. Overflow of the larger impoundment leads to the smaller impoundment to prevent overtopping. Both liners appeared to be in good condition; however, the facility does not routinely inspect the impoundments for possible leaks.

RELEASE HISTORY: There is no record or evidence of any release occurring from these units.

PHOTOGRAPH NO.: 1.1, 1.2., 1.3

SWMU NUMBER: 2

SWMU NAME: Closed Landfill

SWMU DESCRIPTION: During construction of Plant Scherer, Georgia Power Company operated a 12.4 acre landfill to the northeast of the power plant and to the south of the "Detention Pond" on Berry Creek. The landfill was permitted by EPD for the disposal of construction debris and miscellaneous non-hazardous industrial wastes.

DATE OF START-UP: The landfill received Permit No. 102-004D(L) to begin operation of the landfill on June 17, 1977.

DATE OF CLOSURE: Plant Scherer received a permit to operate a new landfill in September 1981. The old landfill was closed and capped in 1982.

WASTES MANAGED: The landfill primarily received packaging materials, scrap lumber, and other construction-related debris. Correspondence from Georgia Power dated January 23, 1981 (Attachment B) describes the disposal of asbestos wastes. Small quantities of paint waste and solvents may also have been placed in the landfill.

RELEASE CONTROLS: The landfill is capped and vegetated to prevent the migration of waste through wind dispersal or surface run-off. There are no controls to prevent the migration of leachate.

RELEASE HISTORY: There is no record or evidence of any release occurring from this unit.

PHOTOGRAPH NO.: 2.1, 2.2., 2.3

SWMU NUMBER: 3

SWMU NAME: Current Landfill

SWMU DESCRIPTION: A second landfill was begun north of the power plant and east of the ash pond after reaching capacity in the first landfill. This landfill was initially permitted for 5.28 acres but later increased to 24.4 acres. The landfill is currently operated using a trenching method. The portion of the site initially permitted is closed, capped, and vegetated.

DATE OF START-UP: The landfill was permitted to begin operation on September 10, 1981.

DATE OF CLOSURE: The landfill was still in active use at the time of the VSI.

WASTES MANAGED: The landfill has received essentially the same type wastes as the previous landfill, including asbestos wastes. This landfill is not suspected of receiving a significant amount of small-quantity exempt hazardous waste since the facility began manifesting wastes off-site in 1983.

RELEASE CONTROLS: The landfill is operated to minimize the release of wastes through wind dispersal or surface run-off. No controls exist to prevent the migration of leachate.

RELEASE HISTORY: There is no record or evidence of any release occurring from this unit.

PHOTOGRAPH NO.: 3.1, 3.2., 3.3

SWMU NUMBER: 4

SWMU NAME: Hazardous Waste Satellite Accumulation Area

SWMU DESCRIPTION: This is a designated area for the accumulation and consolidation of wastes generated by individuals within the plant. The area is located west of the southernmost smokestack. Two drums are maintained in the area for the accumulation of paint wastes and ignitable liquids.

DATE OF START-UP: Wastes have been stored in the area since initial construction was completed in 1982.

DATE OF CLOSURE: The accumulation area was in active use at the time of the VSI.

WASTES MANAGED: Paint wastes and ignitable liquids.

RELEASE CONTROLS: The area is roofed to eliminate rainfall and debris from the operations above. The area is underlain by concrete and surrounded by a concrete berm to provide secondary containment should a release from an accumulation drum occur.

RELEASE HISTORY: There is no record or evidence of any release occurring from this unit.

PHOTOGRAPH NO.: 4.1

SWMU NUMBER: 5

SWMU NAME: Hazardous Waste Container Storage Area

SWMU DESCRIPTION: Following accumulation of a full container, hazardous wastes are placed into temporary (less than 90 days) storage in this unit. The structure is located northeast of the power plant and east of the facility's weigh scales.

DATE OF START-UP: The container storage area was built in the early stages of plant construction (about 1977).

DATE OF CLOSURE: This unit was in active use at the time of the VSI.

WASTES MANAGED: Hazardous wastes stored at the facility include paint wastes, ignitable solvents, and chlorinated solvents.

RELEASE CONTROLS: The unit is covered to minimize the accumulation of rainfall. A concrete floor and berm provide secondary containment for any releases which might occur.

RELEASE HISTORY: There is no record or evidence of any release occurring from this unit.

SWMU NUMBER: 6

SWMU NAME: Wastewater Treatment Plants

SWMU DESCRIPTION: Plant Scherer utilizes four "package" plants for the extended aeration treatment of sanitary wastes. Plants No. 1 and No. 3 are in-ground concrete units located adjacent to each other in the construction area north of the power plant. Plant No. 2 is an in-ground concrete unit west of the boiler cleaning waste impoundments. Plant No. 4 is an above-ground steel tank adjacent to the coal storage area. All the plants discharge to Berry Creek through the facility's NPDES permitted outfall. Sludge is periodically removed from the plants by a private contractor.

DATE OF START-UP: The plants have been in various stages of operation since construction began in 1977.

DATE OF CLOSURE: Plant Nos. 1, 2, and 3 were in active operation at the time of the VSI. Plant No. 4 was out of service temporarily.

WASTES MANAGED: Sanitary wastewater.

RELEASE CONTROLS: All tanks were designed to contain the wastewater without leaks. The tanks do not have secondary containment.

RELEASE HISTORY: There is no record or evidence of any release occurring from these units.

PHOTOGRAPH NO.: 6.1, 6.2, and 6.3.

SWMU NUMBER: 7

SWMU NAME: Ash Disposal Pond

SWMU DESCRIPTION: Ash from the coal burning units is sluiced to an ash pond northwest of the power plant. There the ash settles out forming a delta around the ends of the sluice pipes.

DATE OF START-UP: Placement of ash in the pond began with the operation of Unit 1 boiler in February 1982.

DATE OF CLOSURE: The ash pond was in active operation at the time of the VSI.

WASTES MANAGED: The ash pond receives ash generated from the combustion of coal. Ash is sluiced to the pond using water from the settling/recycle pond.

RELEASE CONTROLS: Overflow from the ash pond enters the lower settling/recycle pond to minimize the release of solids downstream. The pond was not designed to prevent release of liquids to soils and groundwater beneath the pond.

RELEASE HISTORY: There is no record or evidence of any release occurring from these units.

PHOTOGRAPH NO.: 7.1, 7.2.

SWMU NUMBER: 8

SWMU NAME: Settling/Recycle Pond

SWMU DESCRIPTION: This unit is an unlined impoundment located west of the power plant. The water level of the pond is below that of the ash pond and above that of Lake Juliette.

DATE OF START-UP: This pond became active along with the ash pond in February 1982.

DATE OF CLOSURE: The settling pond was in active operation at the time of the VSI.

WASTES MANAGED: This unit receives overflow from the ash pond. Little or no ash is currently being deposited in this pond since the ash pond is currently far below capacity is accumulated ash.

RELEASE CONTROLS: Water from this unit is reused in the plant for sluicing ash to the ash pond. In periods of heavy rainfall some overflow from the pond may enter Lake Juliette.

RELEASE HISTORY: The only recorded releases from this unit are periodic overflows to Lake Juliette. No adverse environmental impacts have been observed as the result of such releases.

PHOTOGRAPH NO.: 8.1

UNSCANNABLE

MEDIA

(PHOTOGRAPHS)

REFERENCES

1. Georgia Power Company, 11/18/80, Part A Application.
2. Georgia Power Company, 1/7/88, Title III Facility Profile.
3. Georgia Power Company, 2/23/88, 1987 Biennial Report.
4. Georgia Power Company, 2/21/86, 1985 Biennial Report.
5. Environmental Protection Division, 8/15/83, Letter to Georgia Power Company.
6. Physiographic Map of Georgia, 1976. Georgia Department of Natural Resources.
7. Action Report, 4/14/81, Larry Carter - Georgia Environmental Protection Division.
8. Groundwater Quality and Availability in Georgia for 1986, Circular 12C, Georgia Department of Natural Resources.
9. Groundwater in the Greater Atlanta Region, Georgia; Circular 63, Georgia Department of Natural Resources.
10. Soil Survey of Baldwin, Jones, and Putnam Counties, Georgia; U.S.D.A. Soil Conservation Service.
11. 40 CFR Part 300, Appendix A, Figure 4.
12. 40 CFR Part 300, Appendix A, Figure 8.
13. Georgia's Protected Wildlife, Georgia Department of Natural Resources, September 1987.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D000612796

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Georgia Power Co., Plant Scherer		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER P.O. Box 206, GA Hwy. 87			
03 CITY Juliette	04 STATE GA	05 ZIP CODE 31046	06 COUNTY Monroe	07 COUNTY CODE 5740	08 COG DIST 08
09 COORDINATES LATITUDE 33 03 06 N		LONGITUDE 08 54 82 W			
10 DIRECTIONS TO SITE (Starting from nearest public road): From Interstate 75 south of Forsyth, go east on Ga. Hwy. 18 to the intersection with Ga. Hwy. 87. Proceed north on 87 approximately 2.5 miles to plant entrance on left.					

III. RESPONSIBLE PARTIES

01 OWNER (known) Georgia Power Company		02 STREET (Business, mailing, residential) P.O. Box 4545			
03 CITY Atlanta	04 STATE GA	05 ZIP CODE 30502	06 TELEPHONE NUMBER (404) 526-6526		
07 OPERATOR (known and different from owner) Same as above.		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (check one): <input checked="" type="checkbox"/> A PRIVATE <input type="checkbox"/> B FEDERAL <input type="checkbox"/> C STATE <input type="checkbox"/> D COUNTY <input type="checkbox"/> E MUNICIPAL <input type="checkbox"/> F OTHER <input type="checkbox"/> G UNKNOWN Agency name: Specify:					
14 OWNER/OPERATOR NOTIFICATION ON FILE (check initial only): <input type="checkbox"/> A RCRA 3001 DATE RECEIVED MONTH DAY YEAR <input type="checkbox"/> B UNCONTROLLED WASTE SITE (CERCLA 103) DATE RECEIVED MONTH DAY YEAR <input checked="" type="checkbox"/> C NONE					

IV. CHARACTERIZATION OF POTENTIAL HAZARD

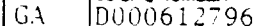
01 ON-SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 5 17 89 <input type="checkbox"/> NO		BY (check initial only): <input type="checkbox"/> A EPA <input type="checkbox"/> B EPA CONTRACTOR <input checked="" type="checkbox"/> C STATE <input type="checkbox"/> D OTHER CONTRACTOR <input type="checkbox"/> E LOCAL HEALTH OFFICIAL <input type="checkbox"/> F OTHER Specify: CONTRACTOR NAME(S)			
02 SITE STATUS (check one): <input checked="" type="checkbox"/> A ACTIVE <input type="checkbox"/> B INACTIVE <input type="checkbox"/> C UNKNOWN		03 YEARS OF OPERATION 1977 Present UNKNOWN BEGINNING YEAR ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Paint wastes containing methyl ethyl ketone, acetone, toluene, and xylene. 1,1,1-Trichloroethane. Asbestos.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Low. Records of disposal are not available for solvents. Standard company practices called for allowing solvents to volatilize before landfilling. Asbestos is in non-friable form.					

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (check one) (high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents): <input type="checkbox"/> A HIGH <input checked="" type="checkbox"/> B MEDIUM <input type="checkbox"/> C LOW <input type="checkbox"/> D NONE (inspection required immediately) (inspection required) (inspection time available desired) (no further action needed, complete current disposition form)			
---	--	--	--

VI. INFORMATION AVAILABLE FROM

01 CONTACT Dale Davis, Env. Affairs	02 OF (Agency, Organization) Georgia Power Company	03 TELEPHONE NUMBER (404) 526-7161	
04 PERSON RESPONSIBLE FOR ASSESSMENT Mark Smith	05 AGENCY DNR	06 ORGANIZATION EPD-HWMP	07 TELEPHONE NUMBER (404) 656-7802
08 DATE 5 19 89 MONTH DAY YEAR			





POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D000612796

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED unknown 04 NARRATIVE DESCRIPTION
Potential from small quantity hazardous waste disposal from 1977 to 1981.

01 ☐ B SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ C CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ D FIRE EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ E DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ F CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ G DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ H WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ I POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
GA 0000612796

II. HAZARDOUS CONDITIONS AND INCIDENTS *(continued)*

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION *(include names of species)*

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
Solid runoff, standing liquids, leaking drums

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION *(include all sources e.g., interviews, literature, etc., records)*

GA EPD State Files

Georgia Power
Atlanta, Georgia 30302
Telephone 404 522 8500

Mail Stop 30302
Atlanta, Georgia 30302

ATTACHMENT A



Georgia Power

Power Supply Engineering and Services

November 16, 1981

Mr. Clyde Fehn
Environmental Engineer
Industrial and Hazardous Waste Management Program
Environmental Protection Division
270 Washington Street, S.W.
Atlanta, Georgia 30334

RECEIVED
NOV 19 1981 CFI

ENVIRONMENTAL PROTECTION DIVISION
LAND PROTECTION BRANCH

Dear Mr. Fehn:

In response to your request during your November 12, 1981, visit to our Plant McDonough-Atkinson, we offer the following information detailing the operation of our boiler chemical cleaning process:

Boiler Chemical Cleaning Process

The accumulation of internal boiler tube deposits is directly related to operating time and feedwater quality. To maintain long term unit reliability and to ensure efficient heat transfer across the boiler tubes, a periodic chemical cleaning is essential.

We currently have twenty-five (25) boilers which are cleaned every 2 to 5 years on a rotating basis. To provide a perspective on this operation, the following is a summary of a typical boiler chemical cleaning operation:

1. Copper Removal Stage: Ammonium Bromate is injected into the boiler and allowed to soak for four (4) hours.
2. Boiler is rinsed with demineralized water.
3. Iron Removal Stage: Hydrochloric Acid is injected into the boiler and allowed to soak for six (6) hours.
4. Boiler is rinsed with demineralized water.
5. Boiler is rinsed with citric acid.
6. Boiler is rinsed with demineralized water.
7. Copper Removal Stage is repeated.
8. Boiler is rinsed with demineralized water.
9. Neutralization and Passivation Stage: An alkaline phosphate solution is injected into the boiler.
10. Boiler is rinsed with demineralized water.

Mr. Clyde Fehn
November 16, 1981
Page 2

The spent solutions from the described operations range in volume from 300,000 to 1,500,000 gallons depending on the size of the boiler being cleaned. At each plant site, these solutions are drained into two chemical cleaning holding basins. The spent copper removal solution and its associated rinses are collected in a holding basin lined with clay. The spent iron removal solution and its associated rinses are collected in a holding basin lined with limestone. This separation of waste is required to optimize the treatment of waste.

This waste is considered hazardous through the definition of corrosivity. Depending on the cleaning operation, the pH of the spent iron removal solution may be below 2.0.

After careful consideration of the options available to us regarding groundwater monitoring, we have decided that, in the future, the pH of all chemical cleaning waste being discharged into the basins will be maintained between 2.0 and 12.5. This will be accomplished through neutralization of the waste in the discharge pipe from the boiler.

Under these circumstances, this waste will no longer be classified as hazardous and will not be subject to the regulations promulgated under RCRA. Therefore, the facilities for which interim status was applied will no longer be classified as treatment facilities. We, therefore, request that the interim status for the following facilities be removed and the facilities no longer be classified as treatment, storage or disposal facilities:

Plant Bowen ✓
Plant Branch ✓
Plant Hammond ✓
Plant McDonough-Atkinson ✓
Plant McManus ✓
Plant Mitchell ✓
Plant Scherer ✓
Plant Wansley ✓
Plant Yates ✓

Should you have any questions or comments, please advise.

Sincerely,



T. E. Byerley
Manager of Environmental Affairs

Power Supply Engineering and Services



January 23, 1981

PLANTS SCHERER AND VOGTLE
Solid Waste Handling Permits

Mr. Clyde Fehn
Environmental Engineer
Industrial and Hazardous Waste Management Program
Environmental Protection Division
270 Washington Street, S.W.
Atlanta, Georgia 30334

JAN 23 1981

LAND PROTECTION BRANCH

Dear Mr. Fehn:

Reference is made to your January 15, 1980, conversation with Mr. C. M. Hobson regarding the subject permits for Plants Scherer and Vogtle.

As outlined by Mr. Hobson, Plant Scherer may give consideration to the possibility of on-site disposal of concrete containing approximately 15% asbestos. This waste will be generated during the construction of the cooling towers and will amount to approximately 540 cu. yds. per tower. It is our understanding that you concur with this proposal provided the asbestos is placed into trenches separated from those used for normal disposal practices. Attached is a drawing indicating the size and location of the trenches that would be used if we chose to dispose of the concrete on-site. The disposal site would be the existing landfill area.

It is also our understanding that you concur with our request to dispose of paint waste and solid epoxy resins in the landfill area at Plant Vogtle. As stated in the above referenced conversation, these wastes are small quantities that are not accepted by the Hazardous Waste Disposal site in Alabama since they are not hazardous, and are not accepted by the county landfill since they view them as special wastes. While no estimates are readily available, the quantities involved are small and proper landfill practices will be employed during disposal of these wastes.

We appreciate your attention to these matters and would welcome any questions or comments you may have.

Sincerely,

A handwritten signature in cursive script, appearing to read "T. E. Byerley".

T. E. Byerley
Manager of Environmental Affairs

CMH:bjk

Security

Temp. WH.

Wt. Scales

Plant Scherer Landfill

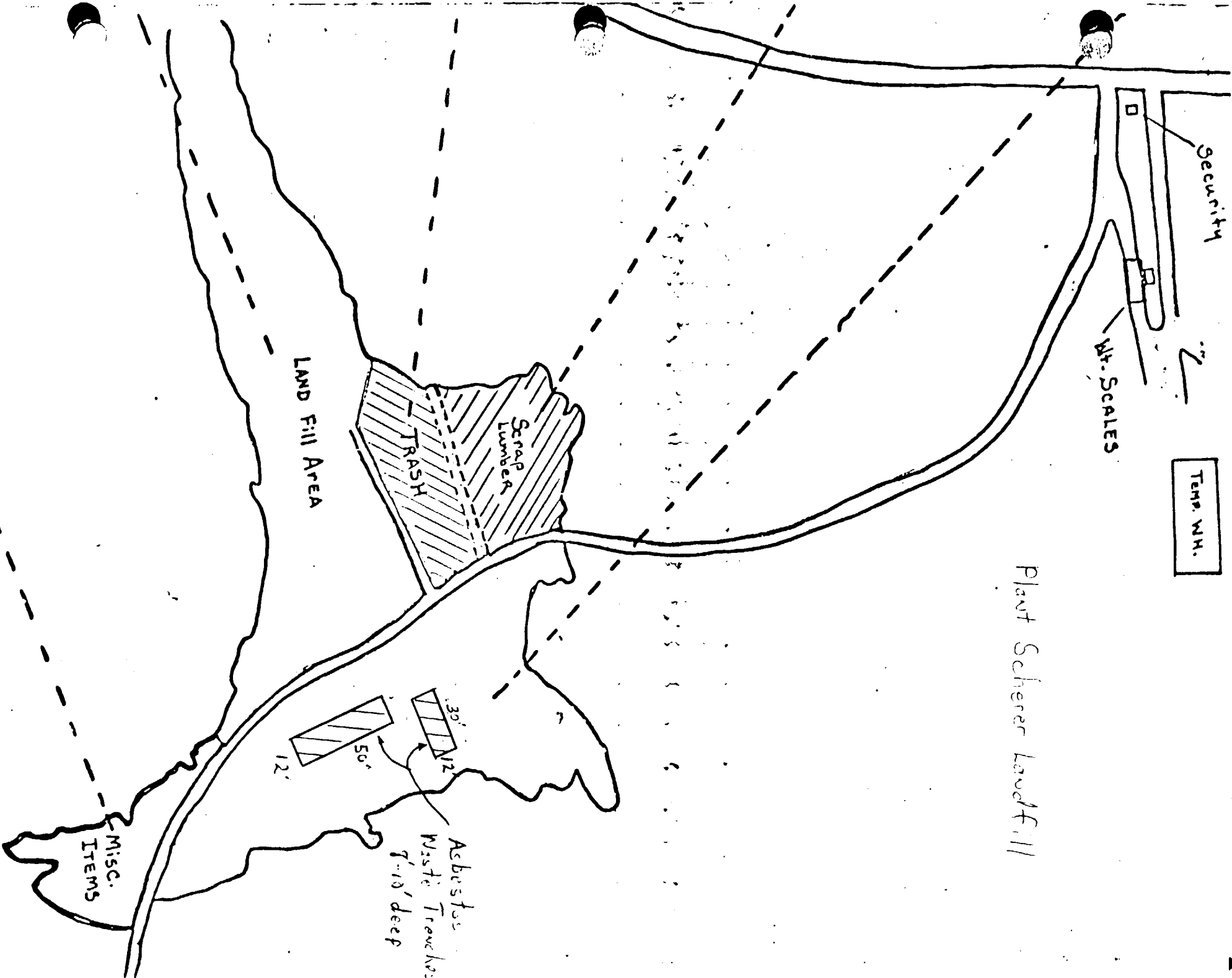
LAND FILL AREA

Scrap
Lumber

TRASH

Asbestos
Waste Trenches
7'-10' deep

MISC.
ITEMS



Facility name: Georgia Power Company - Plant Scherer

Location: Ga. Hwy. 87, Monroe County

EPA Region: IV

Person(s) in charge of the facility: Mark Smith, GA EPD

Name of Reviewer: Mark Smith

Date: May 19, 1989

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Plant Scherer is a four unit fossil fuel steam-electric generating plant located in Monroe County near Juliette, Georgia on the Ocmulgee River. A permitted landfill at the site received wastes generated during construction of the facility between 1977 and 1981. Small quantity hazardous wastes consisting of paint solvents and possibly 1,1,1-trichloroethane may have been disposed of at the site. Potential exists for contamination of the uppermost groundwater aquifer.

9.72 M90
Scores: $S_M = 8.00$ ($S_{gw} = 13.85$ $S_{sw} = 0$ $S_a = 0$)
 $S_{FE} = 0$
 $S_{DC} = 0$

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	3.1	
If observed release is given a score of 45, proceed to line 4 . If observed release is given a score of 0, proceed to line 2 .						
2 Route Characteristics					3.2	
Depth to Aquifer of Concern	0 1 2 3	2	6	6		
Net Precipitation	0 1 2 3	1	1	3		
Permeability of the Unsaturated Zone	0 1 2 3	1	1	3		
Physical State	0 1 2 3	1	1	3		
Total Route Characteristics Score			9	15		
3 Containment	0 1 2 3	1	3	3	3.3	
4 Waste Characteristics					3.4	
Toxicity/Persistence	0 3 6 9 12 15 18	1	12	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8		
Total Waste Characteristics Score			14	26		
5 Targets					3.5	
Ground Water Use	0 1 2 3	3	9	9		
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	12	40		
Total Targets Score			21	49		
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			7,938	57,330		
7 Divide line 6 by 57,330 and multiply by 100			S _w = 13.85			

GROUND WATER ROUTE WORK SHEET

$$\frac{9 \times 3 \times 26 \times 21}{573.3} = 25.714$$

$$\frac{25.714}{1.73} = 14.8 < 25$$

NFRAP
MEV

Surface Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	4.1	
If observed release is given a value of 45, proceed to line 4 . If observed release is given a value of 0, proceed to line 2 .						
2 Route Characteristics					4.2	
Facility Slope and Intervening Terrain	0 1 2 3	1	1	3		
1-yr. 24-hr. Rainfall	0 1 2 3	1	3	3		
Distance to Nearest Surface Water	0 1 2 3	2	6	6		
Physical State	0 1 2 3	1	1	3		
Total Route Characteristics Score			11	15		
3 Containment	0 1 2 3	1	0	3	4.3	
4 Waste Characteristics					4.4	
Toxicity/Persistence	0 3 6 9 12 15 18	1		18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8		
Total Waste Characteristics Score				26		
5 Targets					4.5	
Surface Water Use	0 1 2 3	3		9		
Distance to a Sensitive Environment	0 1 2 3	2		6		
Population Served/Distance to Water Intake Downstream	0 4 8 8 10 12 16 18 20 24 30 32 35 40	1		40		
Total Targets Score				55		
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			0	64.350		
7 Divide line 6 by 64.350 and multiply by 100			S _{SW} = 0			

SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1 Observed Release	① 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the $S_a = 0$. Enter on line 5 . If line 1 is 45, then proceed to line 2 .					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
Total Targets Score				39	
4 Multiply 1 x 2 x 3				35.100	
5 Divide line 4 by 35.100 and multiply by 100			$S_a = 0$		

AIR ROUTE WORK SHEET

Direct Contact Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Incident	0 45	1		45	8.1	
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2						
2 Accessibility	0 1 2 3	1		3	8.2	
3 Containment	0 15	1		15	8.3	
4 Waste Characteristics Toxicity	0 1 2 3	5		15	8.4	
5 Targets					8.5	
Population Within a 1-Mile Radius	0 1 2 3 4 5	4		20		
Distance to a Critical Habitat	0 1 2 3	4		12		
Total Targets Score				12		
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 4				21,600		
7 Divide line 6 by 21,600 and multiply by 100			SOC =			

DIRECT CONTACT WORK SHEET

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi- plier	Score	Max. Score	Ref. (Section)
1 Containment	1	3	1		3	7.1
2 Waste Characteristics						7.2
Direct Evidence	0	3	1		3	
Ignitability	0	1 2 3	1		3	
Reactivity	0	1 2 3	1		3	
Incompatibility	0	1 2 3	1		3	
Hazardous Waste Quantity	0	1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score					20	
3 Targets						7.3
Distance to Nearest Population	0	1 2 3 4 5	1		5	
Distance to Nearest Building	0	1 2 3	1		3	
Distance to Sensitive Environment	0	1 2 3	1		3	
Land Use	0	1 2 3	1		3	
Population Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Total Targets Score					24	
4 Multiply 1 x 2 x 3					1,440	
5 Divide line 4 by 1,440 and multiply by 100					S F E =	

FIRE AND EXPLOSION WORK SHEET

	s	s ²
Groundwater Route Score (S _{gw})	13.85	191.72
Surface Water Route Score (S _{sw})	0	0
Air Route Score (S _a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		191.72
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		13.85
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		8.00

WORKSHEET FOR COMPUTING S_M

Author: Mark Smith
Date: May 19, 1989

**DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM**

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME: Georgia Power Co. - Plant Scherer

LOCATION: Ga. Hwy. 87, Monroe County

DATE SCORED: May 19, 1989

PERSON SCORING: Mark Smith

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):

GA EPD Files, Visual Site Inspection

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

Air route was not scored due to the absence of air sampling data.

COMMENTS OR QUALIFICATIONS:

Author: Mark Smith
Date: May 19, 1989

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Uppermost Aquifer

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s) of the aquifer(s) of concern:

Estimated at 25 feet

Depth from the ground surface to the lowest point of waste disposal/storage:

Estimated at 20 feet

Author: Mark Smith
Date: May 19, 1989

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

46 inches

Mean annual lake or seasonal evaporation (list months for seasonal):

43 inches

Net precipitation (subtract the above figures):

Net prec. = 3 inches
= +

Permeability of Unsaturated Zone Value -

Soil type in unsaturated zone:

Silty clay

Permeability associated with soil type:

$< 10^{-5} > 10^{-7}$ cm /sec

Physical State Value -

Physical state of substances at time of disposal (or at present time for generated gases):

Assume materials to be solidified but unconsolidated and unstabilized.

Author: Mark Smith
Date: May 19, 1989

3 CONTAINMENT

Containment Value -

Method(s) of waste or leachate containment evaluated:

Unlined landfill - no containment.

Method with highest score:

4 WASTE CHARACTERISTICS

Toxicity and Persistence Matrix Score -

Compound(s) evaluated:

Methyl Ethyl Ketone - 6, Acetone - 6, Toluene - 9, Xylene - 9,
Trichloroethane - 12

Compound with highest score:

Trichloroethane - 12

Hazardous Waste Quantity Value -

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Basis of estimating and/or computing waste quantity:

The facility's 1980 Part A application estimated 16,000 pounds per year of combined F001 and F005 would be generated. A January 23, 1981 letter from the facility indicated that small quantity paint wastes (2200 pounds per month) were being disposed of in the landfill. A 1983 annual report revealed 7.45 tons of F001 and 4.548 tons of F005 were shipped off-site for disposal.

Author: Mark Smith
Date: May 19, 1989

Total Quantity of Hazardous Substances at the Facility:

To develop a worst case estimate of solvent disposal, the 1983 quantities are assumed to have been disposed of for 5 years (from 1977 to 1981).

F001 (Trichloroethane)

5 yrs x 7.45 tons/yr = 37.25 tons

F005 (Toluene)

5 yrs x 4.548 tons/yr = 22.74 tons

Total Quantity = 59.99 tons.

Author: Mark Smith
Date: May 19, 1989

5 TARGETS

Ground Water Use Value -

Water from the uppermost aquifer is potentially used by residences in the vicinity of the plant. Municipal water is not available in the area.

Distance to Nearest Well Value -

Location of nearest well drawing from aquifer of concern or occupied building not
Nearest residence is on Luther Smith Road due north of the site.

Distance to above well or building: 1.5 miles

Population Served by Ground Water Wells Within a 3-Mile Radius Value -

Identify water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Estimate 120 dwellings x 3.8 = 456 individuals.

(Note some dwellings may be served by wells in deeper aquifers)

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

None - insufficient yield for irrigation.

Total population served by ground water within a 3-mile radius:

456

Author: Mark Smith
Date: May 19, 1989

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum): None

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain Value -

Average slope of facility in percent:

50 ft/1500 ft. = 3.3%

Name/description of nearest downslope surface water:

I - Pond (Permanent Detention Pond leading to Berry Creek)

Average slope of terrain between facility and above-cited surface water body in percent:

3.3%

Is the facility located either totally or partially in surface water?

No

Author: Mark Smith
Date: May 19, 1989

Is the facility completely surrounded by areas of higher elevation?

No

1-Year 24-Hour Rainfall in Inches Value - 3.25 inches

Distance to Nearest Downslope Surface Water Value - <1000 ft.

Physical State of Waste Value - 1

* * *

3 CONTAINMENT Value - 0

Containment Adequately Covered Landfill.

Method(s) of waste or leachate containment evaluated:

Method with highest score:

Author: Mark Smith
Date: May 19, 1989

4 WASTE CHARACTERISTICS

Toxicity and Persistence Matrix Score - NA

Compound(s) evaluated

Compound with highest score:

Hazardous Waste Quantity Value - NA

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Basis of estimating and/or computing waste quantity:

* * *

5 TARGETS

Surface Water Use Value - NA

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Author: Mark Smith
Date: May 19, 1989

Is there tidal influence?

Distance to a Sensitive Environment Value - NA

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

Population Served by Surface Water Value - NA

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

Author: Mark Smith
Date: May 19, 1989

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

Total population served:

Name/description of nearest of above-cited water bodies:

Distance to above-cited intakes, measured in stream miles.

Author: Mark Smith
Date: May 19, 1989

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected: No data available.

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound: NA

Most incompatible pair of compounds: NA

Author: Mark Smith
Date: May 19, 1989

Toxicity

Most toxic compound:

Toxicity is assigned 0 since compounds are not reasonably expected to be transported away from the site via the air route.

Hazardous Waste Quantity

Total quantity of hazardous waste:

Estimated at sixty tons.

Basis of estimating and/or computing waste quantity:

See Groundwater section.

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi	1117	0 to 1 mi	0 to 1 mi	0 to 1 mi
Estimated from topographic maps.				

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less: NA

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less: NA

Author: Mark Smith
Date: May 19, 1989

Distance to critical habitat of an endangered species, if 1 mile or less: NA

Land Use

Distance to commercial/industrial area, if 1 mile or less: NA

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:
Distance of 1/4 to 1 mile from state Wildlife Management Area.

Distance to residential area, if 2 miles or less:

1.5 miles

Distance to agricultural land in production within past 5 years, if 1 mile or less:

NA

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

NA

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

No

RECONNAISSANCE CHECKLIST FOR HRS2 CONCERNS

Instructions: Obtain as much "up front" information as possible prior to conducting fieldwork. Complete the form in as much detail as you can, providing attachments as necessary. Cite the source for all information obtained.

Site name: Georgia Power Company- Plant Scherer

City, County, State: Monroe County, Georgia

EPA ID No.: GAD000612796

Person responsible for form: Mark Smith

Date: May 26, 1989

Air Pathway

Describe any potential air emission sources onsite: No potential sources for hazardous substances are known.

Identify any sensitive environments within 4 miles: A state Wildlife Management Area exists on the plant property.

Identify the maximally exposed individual (nearest residence or regularly occupied building - workers do count): Residences are located on Luther Smith Rd., 1.5 miles north of the site.

Groundwater Pathway

Identify any areas of karst terrain: None.

Identify additional population due to consideration of wells completed in overlying aquifers to the AOC: NA

Do significant targets exist between 3 and 4 miles from the site? No.

Is the AOC a sole source aquifer according to Safe Drinking Water Act? (i.e. is the site located in Dade, Broward, Volusia, Putnam, or Flagler County, Florida) No.

Surface Water Pathway

Are there intakes located on the extended 15-mile migration pathway? Yes

Are there recreational areas, sensitive environments, or human food chain targets (fisheries) along the extended pathway? The Ocmulgee River constitutes a recreational area (fishing) as well as Lake Juliette.

Onsite Exposure Pathway

Is there waste or contaminated soil onsite at 2 feet below land surface or higher? No.

Is the site accessible to non-employees (workers do not count)? No.

Are there residences, schools, or daycare centers onsite or in close proximity? No.

Are there barriers to travel (e.g., a river) within one mile? Yes. All areas are fenced and guarded by 24-hour security.



TENTIAL HAZARDOUS WASTE SITE
TENTATIVE DISPOSITION

REGION SITE NUMBER
CAD 0000612796

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW, Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <i>George P. Paves</i>	B. STREET	
C. CITY <i>Georgetown</i>	D. STATE <i>IN</i>	E. ZIP CODE

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED - NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)	<i>f</i>		<i>+</i>		
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION

concur with (see) ~~Part II~~ of priority ST

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)

G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)

H. PREPARER INFORMATION

1. NAME <i>Roy A. Paves</i>	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.) <i>10-11-85</i>
--------------------------------	---------------------	--

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)

1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr.)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
a. TYPE OF SITE INSPECTION				
(1)				
(2)				
(3)				
b. TYPE OF MONITORING				
(1)				
(2)				
c. TYPE OF SAMPLING				
(1)				
(2)				

PRELIMINARY ASSESSMENT COVER SHEET
GA POWER CO. SCHERER STM. ELEC.
GAD000612796

The Georgia Power Company Scherer Steam Electric Generating Station has been operational since 1974 and is located about 3 miles south of Juliette, Georgia. The facility is jointly owned by the Georgia Power Company, The Municipal Electric Authority of Georgia, the City of Dalton and Oglethorpe Power Corporation.

The facility generates electricity by burning coal and/or oil in order to boil large tanks (boilers) of water. Steam produced by the boiling water is used to turn turbines which results in the generation of electricity.

Three waste streams that are of interest, are generated at the facility. Fly ash (a delisted waste) is generated on site when coal is burned. This ash is disposed of in a impoundment on site. Boilers at the facility are periodically cleaned of accumulations of copper and iron scale. Boiler cleaners contain acids and bases. This boiler cleaning waste has been exempted by both the the EPA and EPD (see attachment). A third waste stream generated by the facility consists of small quantities (totaling about 16,000 lbs. annually) of halogenated and non-halogenated solvents and various organic and inorganic chemicals. Since 1980, these hazardous wastes have been disposed of in accordance with the Georgia Rules for Hazardous Waste Management.

Surface runoff from the plant enters the Ocmulgee River about 1 mile east of the site. The site is underlain by igneous and metamorphic rocks of the Piedmont Province of Georgia. Ground water use in the area is unknown. The site area is sparsely populated.

The site is assessed a "LOW" priority for inspection because no information exists regarding hazardous waste handling practices prior to 1980.

CSW/mcw008



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

GA D000612796

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

GA Power Co. Scherer Stm Elec.

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

P. O. Box 206

03 CITY

Juliette

04 STATE

05 ZIP CODE

06 COUNTY

07 COUNTY CODE

08 CONG DIST

GA

31046

Monroe

207

08

09 COORDINATES LATITUDE

LONGITUDE

33° 02' 12.0"

083° 00' 40.0"

10 DIRECTIONS TO SITE (Starting from nearest public road)

From the intersection of Hwy. 87 and Hwy. 18, proceed north on Hwy 87 for about 1.5 miles. The facility is on the west side of the road.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

Multiple private parties (see cover sheet)

02 STREET (Business, mailing, residential)

03 CITY

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

()

07 OPERATOR (If known and different from owner)

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 80 MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 80 MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES

DATE

☒ NO

MONTH DAY YEAR

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☐ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE

☐ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1974

continuing

☐ UNKNOWN

BEGINNING YEAR

ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

various organic solvents
inorganic chemicals

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Low - no information exists regarding hazardous waste handling practices prior to 1980.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☒ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

02 OF (Agency/Organization)

03 TELEPHONE NUMBER

Mr. Bob Woodall - Man. of Env. Affairs - GA Power Company

(404) 526-7108

04 PERSON RESPONSIBLE FOR ASSESSMENT

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

08 DATE

Steve Walker

DNR

EPD-RAU

(404) 656-7404

08/23/85
MONTH DAY YEAR

J. Suranic

[illegible]

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D000612796

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

From unknown waste handling practices prior to 1980.

01 ☒ B SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

From unknown waste handling practices prior to 1980.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

From unknown waste handling practices prior to 1980.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D000612796

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

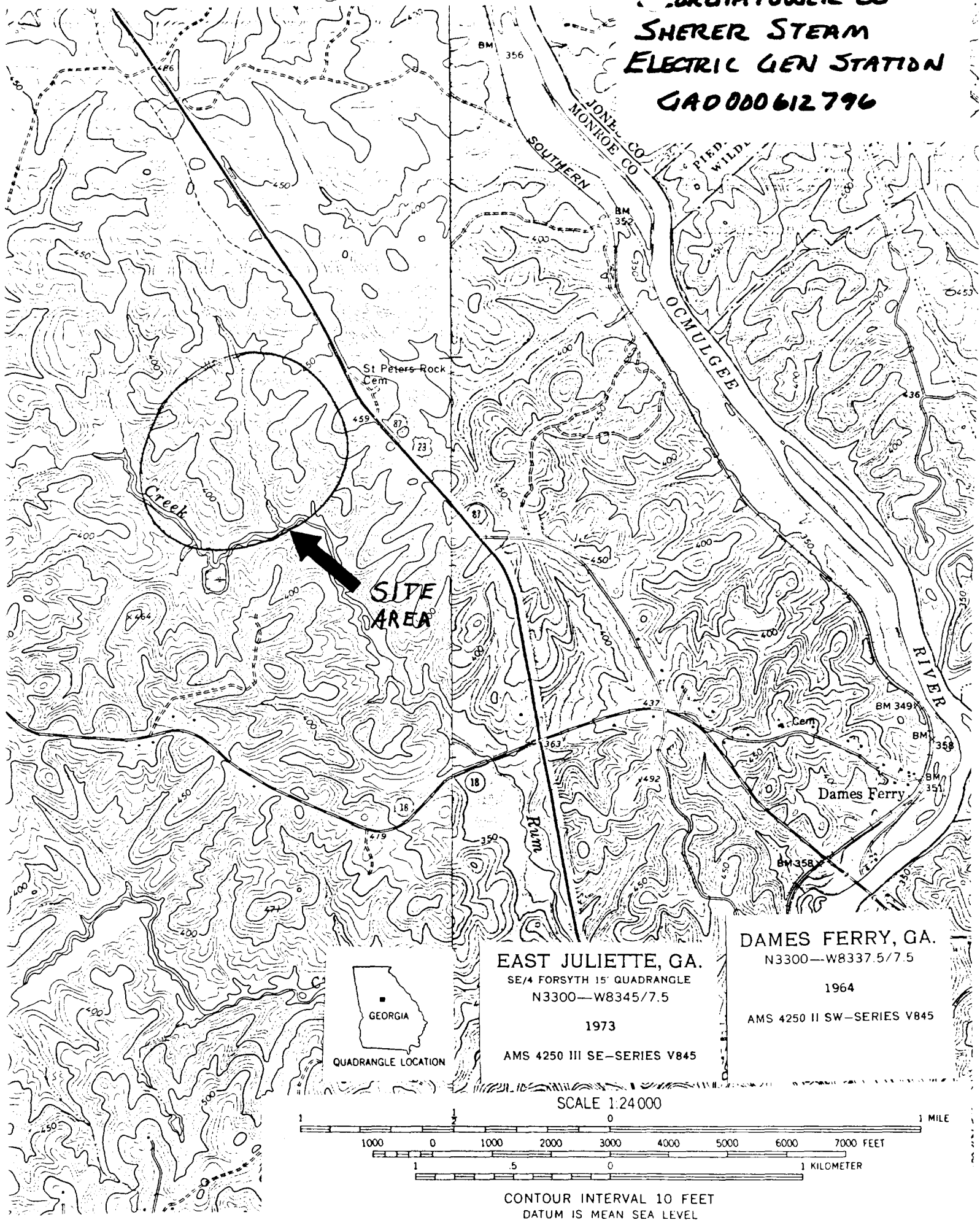
III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

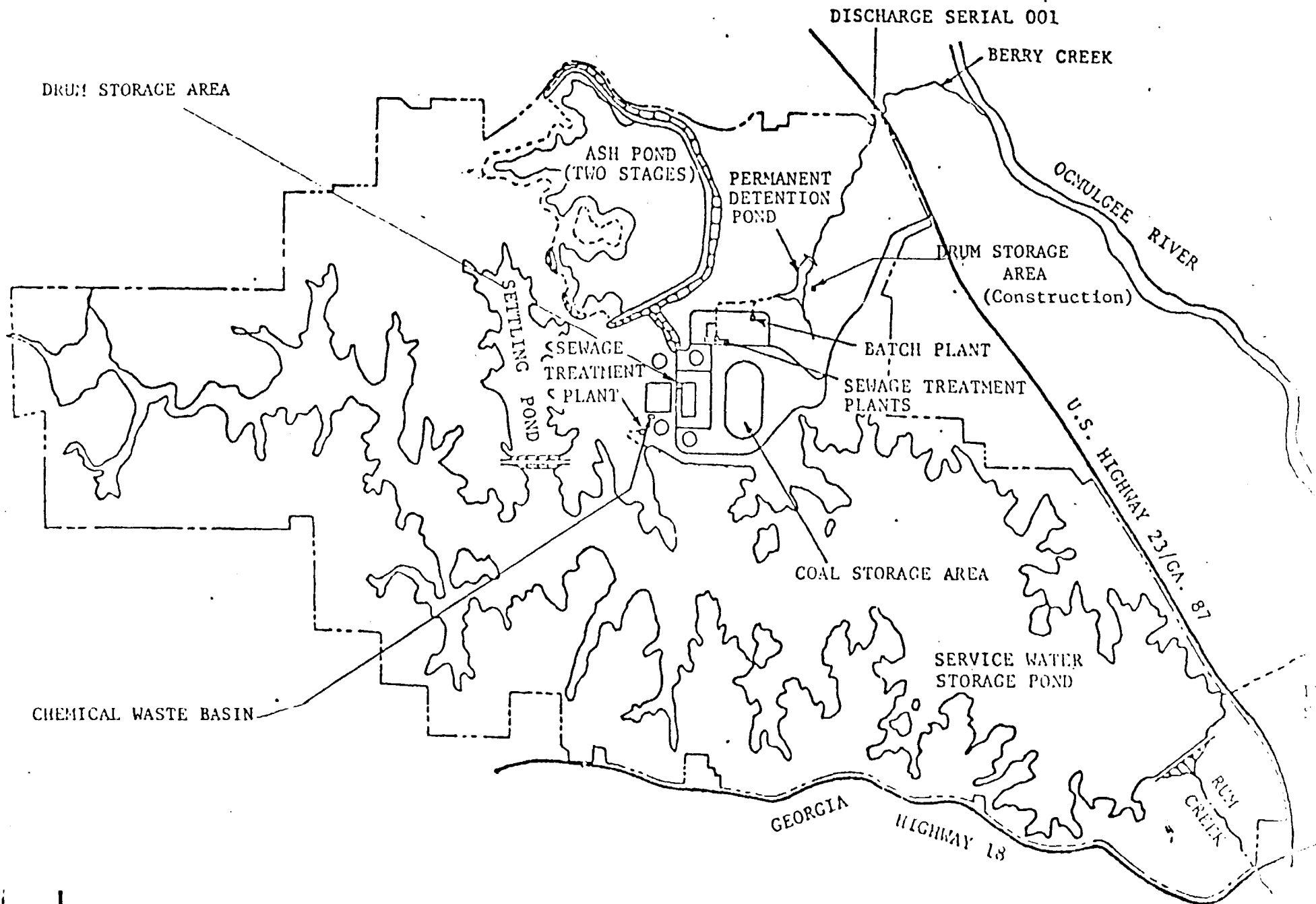
IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

GA EPD State Files.

GEORGIA POWER CO
SHERER STEAM
ELECTRIC GEN STATION
GA0000612796





JOE D. TANNER
Commissioner

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET S.W.
ATLANTA GEORGIA 30334

J. LEONARD LEDBETTER
Division Director

April 28, 1983

Mr. T. E. Byerley
Manager of Environmental Affairs
Georgia Power Company
P. O. Box 4545
Atlanta, GA 30302

Dear Mr. Byerley:

Reference the March 3, 1983 meeting between Mr. C.H. Huling of Georgia Power Company and representatives of EPD's Industrial and Hazardous Waste Management Program. At that meeting, Mr. Huling requested that the Environmental Protection Division consider the exclusion of Georgia Power Company's boiler cleaning waste from regulation under the Georgia Hazardous Waste Management Act.

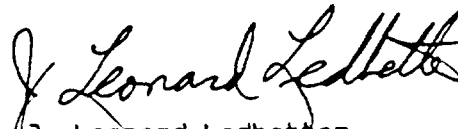
As the U.S.E.P.A. has provided a similar exclusion of such wastes under 40 CFR §261.4(b)(4), the Environmental Protection Division hereby grants an exclusion under this regulation, contingent upon the following:

- (a) Current methods of pH adjustment for such wastes must continue to be implemented; and
- (b) Georgia Power Company must provide to EPD an analysis of pH, total chromium, and hexavalent chromium from a representative sample of the mixtures of wastewaters and sludge resulting from each subsequent boiler cleaning, within 30 days of each cleaning.

Note that, as the U.S.E.P.A.'s exclusion of this waste is temporary, the Environmental Protection Division is similarly granting an exclusion contingent upon the EPA's final ruling. Should EPA at any time revoke its exclusion, the Environmental Protection Division would do likewise and the boiler cleaning wastes would again be subject to regulation under the Georgia Hazardous Waste Management Act. This exclusion may also be revoked if the concentration of hazardous constituents significantly changes.

Should you have any questions concerning this matter, please contact Ms. Margaret Markey at 404/656-7802.

Sincerely,


J. Leonard Ledbetter
Director

JLL:mmk
cc: Moses N. McCall, III
File: Georgia Power (all facilities)(R)



JOE D. TANNER
Commissioner

Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S.W.
ATLANTA, GEORGIA 30334

August 15, 1983

J. LEONARD LEDBETTER
Division Director

Mr. D. N. MacLemore, Jr.
Vice President and Chief Engineer
Power Supply Engineering and Services
Georgia Power Company
P. O. Box 4545
Atlanta, Georgia 30302

FILE COPY

RE: Request for Facility Status Changes for
Georgia Power Plants Bowen, Branch
Hammond, Hatch, McDonough/Atkinson
McManus, Mitchell, Scherer, Vogtle
Wansley and Yates

Dear Mr. MacLemore:

This will acknowledge receipt of your request for withdrawal of your application for a Hazardous Waste Facility permit.

Based on the information provided, withdrawal of your application is warranted and your permit application has been placed in our inactive files.

Please be advised that withdrawal of your permit application invalidates any variance that you received to continue existing hazardous waste treatment storage or disposal during the permit review process and that based on our concurrence with your withdrawal request, the Federal Environmental Protection Agency will terminate your facility's interim status.

Should you wish to treat, store, or dispose of hazardous waste in the future, it will be necessary that a hazardous waste handling permit be issued, prior to the construction of such facilities, under authority of Section 8 of the Georgia Hazardous Waste Management Act and paragraphs .10 and .11 of Georgia's Rules for Hazardous Waste Management, Chapter 391-3-11.

If further clarification is needed on this matter, please feel free to contact Ms. Margaret Markey at 404/656-7802.

Sincerely,

John D. Taylor, Sr., Program Manager
Industrial & Hazardous Waste
Management Program

JDT:mmmb

cc: James H. Scarbrough
File: Ga. Power (Y)



Georgia Power

Power Supply Engineering and Services

March 11, 1983

RECEIVED

MAR 17 1983

U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C. 20545

PLANT SCHERER
Boiler Cleaning Waste Analysis

Mr. John D. Taylor, Jr.
Program Manager
Industrial & Hazardous Waste Management Program
Environmental Protection Division
270 Washington Street, S.W.
Atlanta, Georgia 30334

Dear Mr. Taylor:

Attached are the results of analysis requested in your November 18, 1982 letter from the liquids contained in the Plant Scherer boiler cleaning waste impoundments. These results were not available at the time of our February 17, 1983 correspondence to you.

If you have any questions or comments, please advise.

Sincerely,

T. E. Byerley
Manager of Environmental Affairs

RDM:bjk

Attachment

The Chester Engineering

LABORATORY ANALYSIS REPORT
For
Georgia Power Company
(Plant Scherer)

Samples Received: 1/20/83
Report Date: 2/15/83

<u>Source</u>	<u>Chemical Cleaning Waste Basin</u>
Log No. 83-	0371
Date Collected	1/4/83 @ 1:26 PM
pH	7.3
Flash Point, °F	>200
Corrosivity	Non-Corrosive
Reactivity	Non-Reactive
Cyanide, mg/L CN	<0.005
Sulfide, mg/L S	<0.1
EP Toxicity Test:	
pH	7.3*
Arsenic, mg/L As	<0.005
Barium, mg/L Ba	<0.1
Cadmium, mg/L Cd	<0.01
Total Chromium, mg/L Cr	<0.01
Hexavalent Chromium, mg/L Cr	<0.01
Trivalent Chromium, mg/L Cr	<0.01
Lead, mg/L Pb	0.01
Mercury, mg/L Hg	0.0007
Nickel, mg/L Ni	0.03
Selenium, mg/L Se	<0.005
Silver, mg/L Ag	<0.01

*The sample contained less than 0.5% particulates.
The extract was generated by filtration.

- . Unless otherwise noted, analyses are in accordance with methods and procedures outlined and approved by the Environmental Protection Agency and conform to quality assurance protocol.
- . "Less than" (<) values are indicative of the detection limit.

GENERAL

CASE ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, attach it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1	SKIP	S C H E R E R S T E A M E L E C T R I C G E N E R A T I N G S T A .
---	------	---

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)		B. PHONE (area code & no.)			
2	B Y E R L E Y T E M G R O F E N V R A F F R S	4 0 4	5 2 2	6 0 6 0	

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX		B. CITY OR TOWN		C. STATE	D. ZIP CODE
3	P O B O X 2 0 6	J U L I E T T E	G A	3 1 0 4 6	

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER		B. COUNTY NAME		C. CITY OR TOWN		D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
5	H I G H W A Y 2 3	M O N R O E	J U L I E T T E	G A	3 1 0 4 6			

specify

7

specify

III. OPERATOR INFORMATION

A. NAME

B. Is the name listed in Item VIII-A also the owner?

GEORGIA POWER COMPANY

☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

D. PHONE (area code & no.)

F = FEDERAL
S = STATE
P = PRIVATE

M = PUBLIC (other than federal or state)
O = OTHER (specify)

(specify)

p

C

A

4 0 4 5 2 2 6 0 6 0

E. STREET OR P.O. BOX

P.O. BOX 4545

F. CITY OR TOWN

G. STATE

H. ZIP CODE

IX. INDIAN LAND

ATLANTA

GA

3 0 3 0 2

Is the facility located on Indian lands?

☐ YES ☒ NO

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)

D. PSD (Air Emissions from Proposed Sources)

N None

9 P None

B. UIC (Underground Injection of Fluids)

E. OTHER (specify)

U None

9

(specify)

C. RCRA (Hazardous Wastes)

E. OTHER (specify)

R None

9

(specify)

I. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

II. NATURE OF BUSINESS (provide a brief description)

Construction and operation of a coal/oil fired steam electric generating plant.

* Plant Scherer is jointly owned by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton.

III. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)

B. SIGNATURE

C. DATE SIGNED

W.E. Ehrensperger - Sr. V.P. Power Supply

W.E. Ehrensperger

11/15/80

COMMENTS FOR OFFICIAL USE ONLY

FOR OFFICIAL USE ONLY
APPLICATION DATE RECEIVED
APPROVED

COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	501	GALLONS OR LITERS
TANK	502	GALLONS OR LITERS
WASTE PILE	503	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	504	GALLONS OR LITERS

Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP													
T/A C I													
12 14 15													
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY				FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY				FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)		2. UNIT OF MEASURE (enter code)	1. AMOUNT				2. UNIT OF MEASURE (enter code)				
X-1	S 0 2	600		G			5						
X-2	T 0 3	20		E			6						
1	T 0 2	3,400		U			7						
2	S 0 1	2,000		G			8						
3							9						
4							10						

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE
POUNDS.....	P
TONS.....	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS.....	K
METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.

3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZ. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

IV. DESCRIPTION OF HAZARDOUS WASTES CONTAINED

LINE NO.	A. EPA HAZARD WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
	21	22	23	24			1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
1	D	0	0	2	5,100	T	T	0	2							
2	F	0	0	1	16,000	P	S	0	1							
3	F	0	0	2	Spec. Hazardous Solvents											Included With Above
4	F	0	0	3	Spec. Hazardous Solvents											Included With Above
5	F	0	0	4	"											Included With Above
6	F	0	0	5	"											Included With Above
7	U	0	0	2	Acetone											Included With Above
8	U	2	2	2												Included With Above
9	U	0	5	4												Included With Above
10	U	1	5	9	M.E.K.											Included With Above
11	U	1	2	2	Formaldehyde											Included With Above
12	U	1	1	7	Ethyl Ether											Included With Above
13	U	1	3	4	Acrylonitrile											Included With Above
14	U	2	2	0	Toluene											Included With Above
15	U	1	8	8	Phenol											Included With Above
16	U	1	2	3	Methanoic Acid											Included With Above
17	U	2	1	0	1,1,2,2-tetrachloroethene											Included With Above
18	U	0	1	3												Included With Above
19	U	1	5	4	Methanol											Included With Above
20	U	2	1	1	Carbon tet.											Included With Above
21	U	1	5	1	Mercury											Included With Above
22	P	0	2	2	Carbon disulfide											Included With Above
23	P	0	9	7												Included With Above
24	P	1	0	6	NaCl											Included With Above
25																
26																

EPA I.D. NO. (enter from page 1)

G	A	T	0	0	0	6	1	2	7	9	6	T/A	C

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

3	3	0	3	0	6	N
65	60	67	65	69	71	

0	3	3	4	8	2	9	W
72	74	75	76	77	78		

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

W.E. Ehrensperger

B. SIGNATURE

W.E. Ehrensperger

C. DATE SIGNED

11/18/80

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED